

Name of Practice  
 Address  
 City State Zip  
 Phone: Fax:  
 email address or web site  
 Penicillin Skin Testing Procedure  
 November 2009

NOTE: THIS IS ONE PROTOCOL RECOMMENDED TO CREATE A NON-STANDARDIZED MINOR DETERMINANT MIX

Skin Testing Supplies Needed for One test	Source	# Needed
Sterile .114N <b>NAOH</b> Sodium Hydroxide Solution (Made by pharmacy) These will be in 10 cc vials	Pharmacy Has to make up	#1
Sterile Isotonic <b>Sodium Chloride Solution. Stock can be 30 cc vials.</b> But then these should be placed into into10 cc vials.	We buy premade and place into 10 cc empty vials	#2
Potassium Penicillin G Stock vial <b>1 Million unit vials/vial</b>	We buy premade	#2
<b>Pre-Pen</b>	We Buy Premade	#1
<b>Ampicillin IV</b> 1 gram/vial	We buy premade	#1
Diluting Vials or Saline	Out Extract Stock	# 1 4.5cc #11 9.0 cc

### **Preparation 24 hours or more in advance:**

**CALL PATIENT TO CONFIRM THEY ARE COMING AND EXPLAIN THAT CHARGES WILL REMAIN EVEN IF THEY DO NOT SHOW.**

- Place 1 of the 10 cc vials of NaCl into the freezer. If 9.0 vials, we will need 2.
- Prepare **Potassium PCN Stock Solution Reconstituted** (Label "**PCN STOCK**")
  - Reconstitute 5 million unit vial of Potassium PCN G with 3.2 on the bottle. This will make up 1 million units/cc. This preparation will remain good for **1WEEK.** Stored in the refrigerator or for 30 days if frozen in non-defrosting freezer.
  - Up to 24 hours before the testing. You will then take 1 cc of the 1 million/cc mixture from A. and add 9 cc of Sterile NaCl Solution. We want the final concentration to be approximately, 2M which is 119,000 (about 100,000) units/cc. Dissolve by slowly rotating bottle or gently shaking. This preparation will remain good for **1 WEEK.** Stored in the refrigerator. It may be frozen in non-defrosting freezer for 30 days.

Name of Practice  
Address  
City State Zip  
Phone: Fax:  
email address or web site

### Day of testing:

Skin Testing Reagents  
Note: After each one made, produce label

START WITH	Amount	ADD	Expires	Skin Testing Reagent produced <b>LABELED</b>
<b>"PCN STOCK"</b> $10^{-2} M$ (100,000 u/cc) Reconstituted (should be in refrigerator from night before) [see directions for 24 hours in advance for starting]	1.0 cc	9.0 cc Sterile NaCl	One day in ref, 30 days frozen	<b>"PCN G Conc 10,000 u/cc"</b>
<b>TO MAKE Minor Determinant Mix</b> Potassium Penicillin G Stock vial of powder  <b><u>5 million unit/ vial</u></b>	Entire vial	8 cc NaOH Shake. <b>Incubate at room temperature 5 minutes and then use. For below product</b>	After 5 minutes	<b>"Intermediate product 500,000 u/cc" for next reagent</b>
<b>"Intermediate Product", 500,000 u/cc"</b> above	.2 cc	9.8 cc Ice Cold NaCl	<b>Use immediately,</b> May store frozen 30 days	Benzyl Penicillin/BP= <b>"MDM Conc 10,000 u/cc"</b>
<b>PrePen</b>	Concentrate		Discard end of day??? Read package	<b>"PrePen Conc"</b>
<b>Ampicillin</b> 1 gram bottle unconstituted	All bottle	3.5 ml Saline to get 250mg/cc	One day in ref. 30 day sin Freezer	<b>"Ampicillin Conc 250 mg/cc"</b>

Name of Practice  
 Address  
 City State Zip  
 Phone: Fax:  
 email address or web site

### Skin testing Reagent Dilutions

\*\* denotes testing strengths

#### Prepen

LABELED	Use	Add	Final Produced and Labeled
"PrePen Conc." **	.05 cc	.45 Saline	"PrePen 1:10" **

#### PCN G

LABELED	Use	Add	Final Produced and Labeled
"PCN G Conc 10,000 u/cc". **	1cc	9 Saline	"PCN G 1000u/cc". **

#### Ampicillin

LABELED	Use	Add	Final Produced and Labeled
"Ampicillin Conc 1000mg/bottle"	all	3.5cc Saline	"Ampicillin 250 mg/cc"
"Ampicillin 250 mg/cc"	4.0	6.0 Saline	"Ampicillin 100 mg/cc"
"Ampicillin 100 mg/cc"	1cc	9cc saline	"Ampicillin 10 mg/cc" **
"Ampicillin 10 mg/cc"	1cc	9cc Saline	"Ampicillin 1 mg/cc" **

#### MDM- Benzyl Penicillin/BP

LABELED	Use	Add	Final Produced and Labeled
"MDM Conc 10,000 u/cc"	1.0cc	9 Saline	"MDM Conc 1000 u/cc" **
"MDM Conc 1000 u/cc"			Start with this product **

#### Other Product

LABELED	Use	Add	Final Produced and Labeled
	1.0cc	9 Saline	
	1cc	9cc Saline	
	1cc	9cc Saline	
	1cc	9cc Saline	
			Start testing with this product